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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the

application:

LISTING OF CLAIMS:

(currently amended): An ink jet recording method for recording on an ink jet

recording medium comprising a support and a colorant receiving layer provided on the support

and having a porous structure containing at least organic polymer fine particles, the method

comprising utilizing an ink composition comprising a colored fine particle dispersion containing

at least one kind of hydrophobic dye, at least one kind of hydrophobic polymer and at least one

kind of organic solvent having a high boiling point, wherein a void volume per unit thickness

(A/B) of the colorant receiving layer calculated by dividing a void volume $A \times 10^{-5}$ ml/cm²) of

the colorant receiving layer at a void diameter equal to a particle size of the polymer fine

particles obtained from a pore distribution curve by a nitrogen gas adsorption method, by a dry

layer thickness B (um) of the colorant receiving layer is 3.0 to 5.0 (× 10⁻⁵ ml/cm²/um)-or-more.

2. (previously presented): An ink jet recording method according to claim 1.

wherein the hydrophobic dye contains at least one kind of compound selected from the group

consisting of compounds represented by the following general formula (I), compounds

represented by the following general formula (II), compounds represented by the following

general formula (Y-I), compounds represented by the following general formula (M-I) and

compounds represented by the following general formula (C-I):

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General formula (I)

General formula (II)

wherein, in General formula (I) and General formula (II), R¹, R², R³ and R⁴ each independently represent a hydrogen atom, a halogen atom, an aliphatic group, an aromatic group. a heterocyclic group, a cyano group, a hydroxy group, a nitro group, an amino group, an alkylamino group, an alkoxy group, an aryloxy group, an amide group, an arylamino group, a ureide group, a sulfamoylamino group, an alkylthio group, an arylthio group, an alkoxycarbonylamino group, a sulfoneamide group, a carbamoyl group, a sulfamoyl group, a sulfonyl group, an alkoxycarbonyl group, a heterocyclic oxy group, an azo group, an acyloxy group, a carbamoyloxy group, a silyloxy group, an aryloxycarbonyl group, an aryloxycarbonylamino group, an imide group, a heterocyclic thio group, a sulfinyl group, a phosphoryl group, an acyl group, a carboxyl group, or a sulfo group; A represents -NR⁵R⁶ or a hydroxyl group; R⁵ and R⁶ each independently represent a hydrogen atom, an aliphatic group, an aromatic group or a heterocyclic group; R⁵ and R⁶ may mutually bond to form a ring; B¹ represents = $C(R^3)$ - or =N-; B^2 represents - $C(R^4)$ = or -N=; and R^1 and R^5 , R^3 and R^6 may mutually bond to form an aromatic ring or a heterocyclic ring, and/or R¹ and R² may mutually bond to form an aromatic ring or a heterocyclic ring,

General formula (Y-I)

A-N=N-B

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wherein, in General formula (Y-I), A and B each independently represent an optionally substituted heterocyclic group,

General formula (M-I)

wherein, in General formula (M-I), A represents a moiety of a 5-membered heterocyclic diazo component (A-NH₂); B¹ represents =CR¹- and B² represents -CR²=, or alternatively, one of B¹ and B² represents a nitrogen atom and the other represents =CR¹- or -CR²=; R⁵ and R⁶ each independently represent a hydrogen atom, an aliphatic group, an aromatic group, a heterocyclic group, an acyl group, an alkoxycarbonyl group, an aryloxycarbonyl group, a carbamoyl group, an alkylsulfonyl group, an arylsulfonyl group or a sulfamoyl group, each of which may further have a substituent; G, R¹ and R² each independently represent a hydrogen atom, a halogen atom, an aliphatic group, an aromatic group, a heterocyclic group, a cyano group, a carboxyl group, a carbamoyl group, an alkoxycarbonyl group, an aryloxycarbonyl group, an acyl group, a hydroxyl group, an alkoxy group, an aryloxy group, a silyloxy group, an acyloxy group, a carbamoyloxyl group, a heterocyclic oxy group, an alkoxycarbonyloxy group, an aryloxycarbonyloxy group, an amino group substituted with an alkyl group, an aryl group or a heterocyclic group, an acylamino group, a ureide group, a sulfamoylamino group, an alkoxycarbonylamino group, an aryloxycarbonylamino group, an alkylarylsulfonylamino group, an arylsulfonylamino group, an aryloxycarbonylamino group, a nitro group, an alkylthio group, an arylthio group, an alkylsulfonyl group, an arylsulfonyl group, an alkylsulfinyl group, an arylsulfinyl group, a

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sulfamoyl group, a sulfo group, or a heterocyclic thio group, each of which may further be substituted; and R¹ and R⁵, or R⁵ and R⁶ may bond to form a 5 or 6-membered ring,

General formula (C-I)

$$(X^{4})_{a4}$$
 $(Y^{3})_{b3}$
 $(X^{3})_{a3}$
 $(X^{1})_{a1}$
 $(Y^{2})_{b2}$
 $(X^{2})_{a2}$

wherein, in General formula (C-I), X^1 , X^2 , X^3 and X^4 each independently represent -SO- Z^1 , -SO₂- Z^1 or -SO₂NR²¹R²²; Z^1 represents a substituted or unsubstituted alkyl group, a substituted or unsubstituted alkenyl group, a substituted or unsubstituted aralkyl group, a substituted or unsubstituted aryl group, or a substituted or unsubstituted heterocyclic group; R^{21} and R^{22} each independently represent a hydrogen atom, a substituted or unsubstituted alkyl group, a substituted or unsubstituted cycloalkyl group, a substituted or unsubstituted alkenyl group, a substituted or unsubstituted aralkyl group, a substituted or unsubstituted aryl group, or a substituted or unsubstituted heterocyclic group; Y^1 , Y^2 , Y^3 and Y^4 each independently represent a hydrogen atom, a halogen atom, an alkyl group, a cycloalkyl group, an alkenyl group, an aralkyl group, an aryl group, a hydroxyl group, a nitro group, an amino group, an

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alkylamino group, an alkoxy group, an aryloxy group, an amide group, an arylamino group, a ureide group, a sulfamoylamino group, an alkylthio group, an arylthio group, an alkoxycarbonylamino group, a sulfoneamide group, a carbamoyl group, a sulfamoyl group, a sulfonyl group, an alkoxycarbonyl group, a heterocyclic oxy group, an azo group, an acyloxy group, a carbamoyloxyl group, a silyloxy group, an aryloxycarbonyl group, an aryloxycarbonylamino group, an imide group, a heterocylic thio group, a phosphoryl group, an acyl group, a carbonyl group, or a sulfo group, each of which may further have a substituent; a¹ to a⁴ and b¹ to b⁴ represent the numbers of substituents X¹ to X⁴ and Y¹ to Y⁴, respectively; a¹ to a⁴ each independently represent an integer of 0 to 4; b¹ to b⁴ each independently represent an integer of 0 to 4; the sum of a¹ to a⁴ is 2 or more; when any one of a¹ to a⁴ and b¹ to b⁴ represent an integer of 2 or more, a corresponding plurality of any one of X¹ to X⁴ and Y¹ to Y⁴ may be the same or different; a¹ and b¹ each independently represent an integer of 0 to 4 satisfying the relation of $a^1+b^1=4$; a^2 and b^2 each independently represent an integer of 0 to 4 satisfying the relation of $a^2+b^2=4$; a^3 and b^3 each independently represent an integer of 0 to 4 satisfying the relation of $a^3+b^3=4$; a^4 and b^4 each independently represent an integer of 0 to 4 satisfying the relation of $a^4+b^4=4$; and M represents a hydrogen atom, a metal element or its oxide, hydroxide, or halide.

- 3. (original): An ink jet recording method according to claim 1, wherein the organic solvent having a high boiling point is an organic solvent having a water solubility of 4 g or less.
- 4. (original): An ink jet recording method according to claim 1, wherein the void volume A of the colorant receiving layer at the same void diameter as the particle size of the polymer fine particles is 50×10^{-5} ml/cm²) or more.

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5. (previously presented): An ink jet recording method according to claim 1, wherein a ratio $\{(Y/X) \times 100\%\}$ of a void diameter Y (nm) corresponding to a maximum peak of the void volume of the colorant receiving layer obtained from a pore distribution curve by a nitrogen gas adsorption method, to the particle size X (nm) of the polymer fine particles is 65% or more.

- 6. (original): An ink jet recording method according to claim 1, wherein the porous structure of the colorant receiving layer is formed of secondary particles of the polymer fine particles.
- 7. (original): An ink jet recording method according to claim 2, wherein the porous structure of the colorant receiving layer is formed of secondary particles of the polymer fine particles.
- 8. (original): An ink jet recording method according to claim 3, wherein the porous structure of the colorant receiving layer is formed of secondary particles of the polymer fine particles.
- 9. (original): An ink jet recording method according to claim 4, wherein the porous structure of the colorant receiving layer is formed of secondary particles of the polymer fine particles.
- 10. (original): An ink jet recording method according to claim 5, wherein the porous structure of the colorant receiving layer is formed of secondary particles of the polymer fine particles.
- 11. (original): An ink jet recording method according to claim 6, wherein a void diameter Y corresponding to a maximum peak of a void volume formed by the secondary

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particles of polymer fine particles of the colorant receiving layer obtained from a pore distribution curve by a nitrogen gas adsorption method is 33 nm or more.

- 12. (original): An ink jet recording method according to claim 7, wherein a void diameter Y corresponding to a maximum peak of a void volume formed by the secondary particles of polymer fine particles of the colorant receiving layer obtained from a pore distribution curve by a nitrogen gas adsorption method is 33 nm or more.
- 13. (original): An ink jet recording method according to claim 8, wherein a void diameter Y corresponding to a maximum peak of a void volume formed by the secondary particles of polymer fine particles of the colorant receiving layer obtained from a pore distribution curve by a nitrogen gas adsorption method is 33 nm or more.
- 14. (original): An ink jet recording method according to claim 9, wherein a void diameter Y corresponding to a maximum peak of a void volume formed by the secondary particles of polymer fine particles of the colorant receiving layer obtained from a pore distribution curve by a nitrogen gas adsorption method is 33 nm or more.
- 15. (original): An ink jet recording method according to claim 10, wherein a void diameter Y corresponding to a maximum peak of a void volume formed by the secondary particles of polymer fine particles of the colorant receiving layer obtained from a pore distribution curve by a nitrogen gas adsorption method is 33 nm or more.
- 16. (previously presented): An ink jet recording method according to claim 1, wherein the organic polymer fine particles are a (co)polymer of a vinyl monomer, an ester-based polymer, a urethane-based polymer, an amide-based polymer, an epoxy-based polymer or an amide-based polymer, or modified materials or copolymers thereof.